Fig. 1

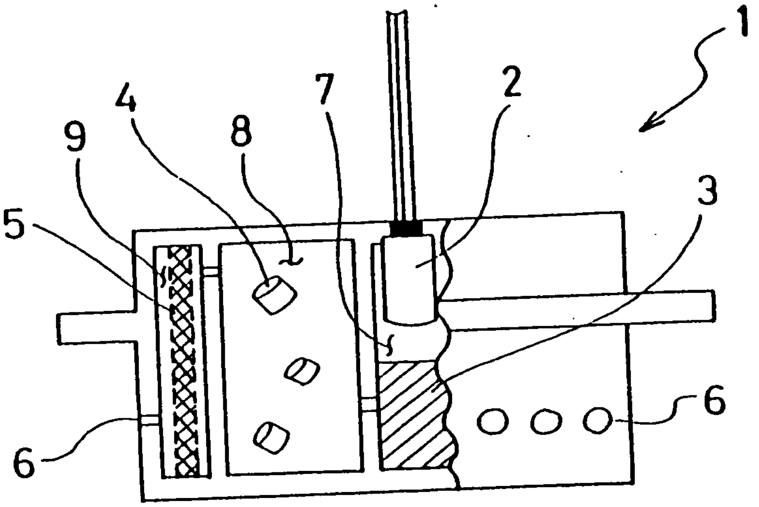

Fig. 2

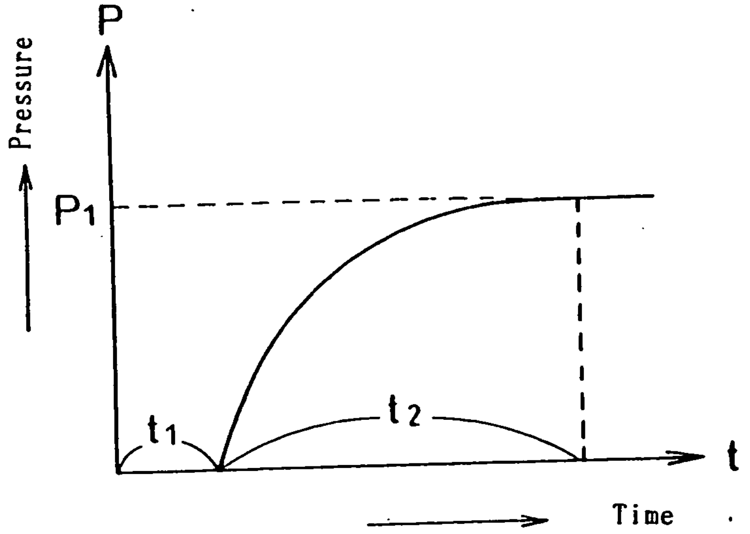

Fig. 3

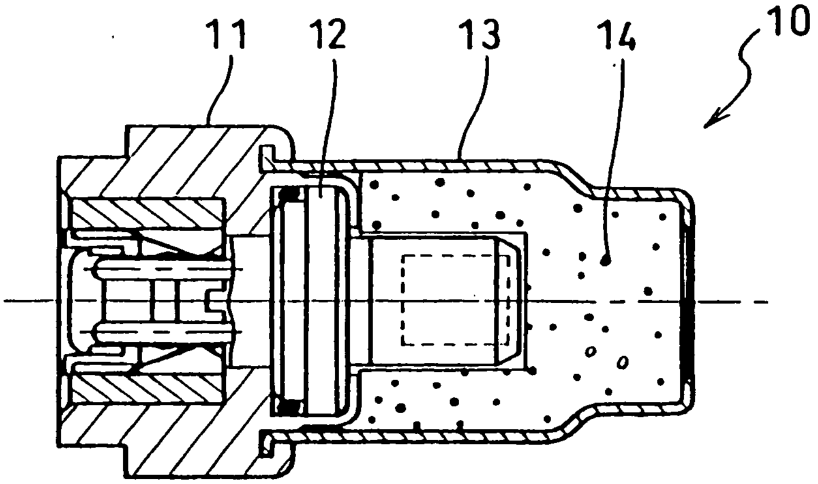

Fig. 4

COMPOSITION RATIO AND TANK TEST RESULTS

COMPOSITION	EXAMPLES				COMPARATIVE EXAMPLES			
	1	2	3	4	1	2	3	4
Nitroguanidine	49.0	40.0	-	-	51.7	-	Same as Comparative Example 1	Same as Comparative Example 2
Aminotetrazole	-	-	33.0	33.7	-	32.6		
NH_4ClO_4	22.0	25.0	30.1	30.2	-	-		
$Sr(NO_3)_2$	22.4	25.8	30.1	-	41.7	60.6		
KNO_3	-	-	-	29.7	-	-		
HTS	4.5	2.4	4.7	4.7	4.5	4.7		
MoO_3	0.9	0.9	0.9	0.5	0.9	0.9		
Si_3N_4	0.9	0.9	0.9	0.9	0.9	0.9		
Carboxy-methylcellulose Na	-	5.0	-	-	-	-		
St-Mg	0.3	-	0.3	0.3	0.3	0.3		
Performance Test								
Amount of Agent Used	25g	25g	25g	25g	25g	25g	44g	44g
t2(ms)	59.2	52.0	56.0	47.0	75.2	71.0	54.0	55.0
Pl(Kpa)	184	178	174	170	98	84	188	178
CO(ppm)	4000	4200	4500	3000	5500	5200	9200	8000
NOx(ppm)	320	280	200	150	1600	1400	3000	2500
HCl(ppm)	2	2	2	3	N.D.	N.D.	N.D.	N.D.
Cl_2(ppm)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Quantity of Slag Overflown (g)	1.1	1.2	0.7	1.4	0.8	0.6	2.0	2.1
Automatic Ignition Capability	with	with	with	with	-	-	without	Without

(NOTE) ABBREVIATION IN TABLE

HTS: Synthetic hydrotalcite

St-Mg: Magnesium stearate

N.D.: Not Detected

Fig. 5

COMBUSTION TEST AND HEAT RESISTANCE TEST

	EXAMPLE 5	EXAMPLE 6	COMPARATIVE EXAMPLE 5
t1	1.20	1.18	1.06
t2	5.52	5.48	5.06
Pl	58.2	55.1	55.6
CO (ppm)	900	750	4500
NOx (ppm)	N. D.	N. D.	N.D.
HCl (ppm)	N. D.	N. D.	N.D.
Cl_2 (ppm)	N. D.	N. D.	N.D.
Weight Reduction (%)	0.13	0.14	3.90